Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An optical add-drop multiplexer comprising:

- a first ferrule with an input optical fiber and an output optical fiber stationed therein;
 - a first graded index lens;
 - a bandpass filter having a particular central wavelength;
 - an optical crystal having a profile of a generally regular hexagon or an egg-timer shaped hexagon;
 - a second graded index lens; and
- a second ferrule having an adding optical fiber and a dropping optical fiber stationed therein;

wherein the first graded index lens, the bandpass filter, the optical crystal and the second graded index lens are successively placed between the first and the second ferrules, an optical multiplexed signal from the input optical fiber is transmitted to the bandpass filter, from which an optical signal having a wavelength identical to the central wavelength of the bandpass filter is output to the dropping optical fiber, and other optical signals having other wavelengths are coupled with an optical signal from the adding optical fiber having a wavelength identical to the

central wavelength of the bandpass filter and are transmitted to the output optical fiber.

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (canceled)

Claim 5 (canceled)

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (previously presented): A multicenter optical add-drop multiplexer module comprising a plurality of optical add-drop multiplexers sequentially connected together from the first to the last, each optical add-drop multiplexer comprising:

a first ferrule having an input optical fiber and an output optical fiber stationed therein;

a first graded index lens;

a bandpass filter having a particular central wavelength;

an optical crystal;

a second graded index lens; and

a second ferrule having an adding optical fiber and a dropping optical fiber stationed therein;

wherein the first graded index lens, the bandpass filter, the optical crystal and the second graded index lens are successively placed between the first ferrule and the second ferrule, an optical multiplexed signal from the input optical fiber is transmitted to the bandpass filter, from which an optical signal having a wavelength identical to the central wavelength of the bandpass filter is output to the dropping optical fiber, and other

optical signals having other wavelengths are coupled with an optical signal from the adding end having a wavelength identical to the central wavelength of the bandpass filter and are transmitted to the output optical fiber; and

wherein the bandpass filter of each optical add-drop multiplexer has a different central wavelength, the input optical fiber of the first optical add-drop multiplexer and the output optical fiber of the last optical add-drop multiplexer respectively serve as an input end and an output end for optical signals, and the output end of each optical add-drop multiplexer connects with the input end of its adjacent optical add-drop multiplexer.

Claim 9 (previously presented): An optical add-drop multiplexer comprising:

- a first ferrule having an input optical fiber, an output optical fiber and a third optical fiber stationed therein;
 - a first graded index lens;
 - a first bandpass filter having a first central wavelength;
 - a second bandpass filter having a second central wavelength;
 - an optical crystal;
 - a second graded index lens; and
- a second ferrule having a first adding optical fiber and a second adding optical fiber stationed therein, and a first dropping optical fiber and a second dropping optical fiber stationed therein;

wherein the first graded index lens, the first and second bandpass filters, the optical crystal and the second graded index lens are successively placed between the first ferrule and the second ferrule, an

optical multiplexed signal from the input optical fiber is transmitted to the first bandpass filter, from which an optical signal having a wavelength identical to the first central wavelength of the first bandpass filter is output to the first dropping optical fiber, and other optical signals having other wavelengths are transmitted to the second bandpass filter via the third optical fiber, from which an optical signal having a wavelength identical to the second central wavelength of the second bandpass filter is output to the second dropping optical fiber, and other optical signals having other wavelengths are coupled with optical signals from the first and the second adding optical fibers whose wavelengths are respectively identical to the first and second central wavelengths of the first and the second bandpass filters and are transmitted to the output optical fiber.

Claim 10 (original): The optical add-drop multiplexer as described in claim 9, wherein the first and second bandpass filters are thin-film filters.

Claim 11 (original): The optical add-drop multiplexer as described in claim 9, wherein the first and second bandpass filters are attached on the first graded index lens.

Claim 12 (original): The optical add-drop multiplexer as described in claim 10, wherein the first and second bandpass filters are attached on the first graded index lens.

Claim 13 (original): The optical add-drop multiplexer as described in claim 9, wherein a profile of the optical crystal is a generally regular hexagon.

Claim 14 (original): The optical add-drop multiplexer as described in claim 9, wherein a profile of the optical crystal is an egg-timer shaped hexagon.

Claim 15 (original): The optical add-drop multiplexer as described in claim 9, wherein the first ferrule further defines four holes, two of the holes respectively hold the input optical fiber and the output optical fiber therein and the other two of the holes respectively hold two ends of the third optical fiber, and the second ferrule defines four holes with four optical fibers respectively inserted therein.

Claim 16 (previously presented): A multicenter optical add-drop multiplexer module comprising a plurality of optical add-drop multiplexers sequentially connected together from the first to the last, each optical add-drop multiplexer comprising:

a first ferrule having an input optical fiber, an output optical fiber and a third optical fiber stationed therein;

- a first graded index lens;
- a first bandpass filter having a first central wavelength;
- a second bandpass filter having a second central wavelength;
- an optical crystal;
- a second graded index lens; and
- a second ferrule having a first adding optical fiber and a second adding optical fiber stationed therein, and a first dropping optical fiber and a second dropping optical fiber stationed therein;

wherein the first graded index lens, the first and second bandpass filters, the optical crystal and the second graded index lens are successively placed between the first ferrule and the second ferrule, an optical multiplexed signal from the input optical fiber is transmitted to the first bandpass filter, from which an optical signal having a wavelength identical to the first central wavelength of the first bandpass filter is output to the first dropping optical fiber, and other optical signals having

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other wavelengths are transmitted to the second bandpass filter via the third optical fiber, from which an optical signal having a wavelength identical to the second central wavelength of the second bandpass filter is output to the second dropping optical fiber, and other optical signals having other wavelengths are coupled with optical signals from the first and the second adding optical fibers whose wavelengths are respectively identical to the first and the second central wavelengths of the first and the second bandpass filters and are transmitted to the output optical fiber; and

wherein the bandpass filter of each optical add-drop multiplexer has a different central wavelength, the input optical fiber of the first optical add-drop multiplexer and the output optical fiber of the last optical add-drop multiplexer respectively serve as an input end and an output end for optical signals, and the output end of each optical add-drop multiplexer connects with the input end of its adjacent optical add-drop multiplexer.

Claim 17 (previously presented): An optical changing assembly comprising:

at least one unit including:

- a first ferrule holding a first input fiber and a first output fiber therein;
 - a first GRIN lens facing the first ferrule opposite to said first input fiber and said first output fiber;
 - a second ferrule holding a second input fiber and a second output fiber therein;
 - a second GRIN lens facing the second ferrule opposite to said second input fiber and said second output fiber;

an optical crystal positioned between and beside said first GRIN lens and said second GRIN lens;

the first ferrule, the first GRIN lens, the optical crystal, the second GRIN lens and the second ferrule being aligned all together in an axial direction of the unit; and

at least one filter defining a center wavelength of λ and applied onto the first GRIN lens; wherein

a first multiplexed light enters the first input fiber and is reflected, by said filter, toward and enters the first output fiber, except a signal of λ penetrates the filter, hits the optical crystal and is refracted, by the optical crystal, toward and enters the second output fiber; simultaneously a second light coming from the second input fiber includes another signal of λ hitting the optical crystal and being refracted by the optical crystal, toward and entering the first output fiber to join the reflected first light[.];

wherein two or more units are assembled sequentially one adjacent another, and wherein the first output fiber of one unit is connected to the first input fiber of the next unit, and the second output fiber of said one unit is connected to the second input fiber of said next unit.

Claim 18 (canceled)

Claim 19 (canceled)

Claim 20 (canceled)